

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062324.D
 Acq On : 14 May 2019 1:35
 Operator : FY/SY
 Sample : K2735-02
 Misc : 6.60µ/5mL/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-0612-01

Quant Time: May 14 05:14:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	577506	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	852316	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.37	117	614983	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	256131	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	267365	49.82	ug/l	0.05
Spiked Amount			Recovery	=	99.64%	
35) Dibromofluoromethane	6.94	113	329670	46.62	ug/l	0.05
Spiked Amount			Recovery	=	93.24%	
50) Toluene-d8	10.43	98	651686	38.22	ug/l	0.03
Spiked Amount			Recovery	=	76.44%	
62) 4-Bromofluorobenzene	13.57	95	252232	36.84	ug/l	0.02
Spiked Amount			Recovery	=	73.68%	

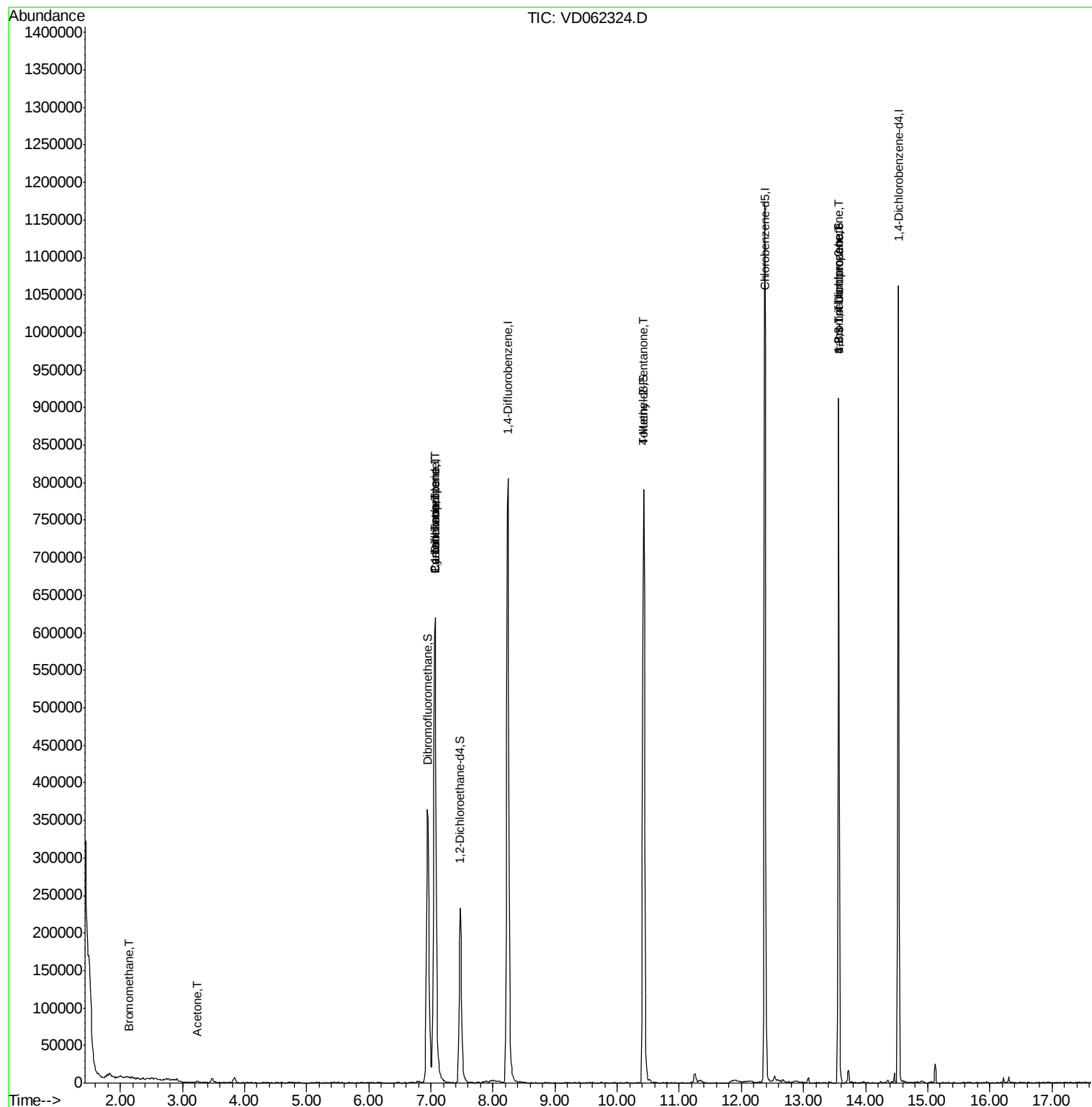
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	1341	1.459	ug/l #	12
16) Acetone	3.24	43	3700	3.287	ug/l #	50
18) Methyl Acetate	3.66	43	262	Below Cal	#	53
31) Cyclohexane	7.06	56	13274	2.357	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	46492	6.653	ug/l #	49
38) Carbon Tetrachloride	7.07	117	60584	6.264	ug/l #	16
51) 4-Methyl-2-Pentanone	10.43	43	3802	1.407	ug/l #	1
76) 1,2,3-Trichloropropane	13.57	75	104089	34.196	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.57	75	110335	128.399	ug/l #	16

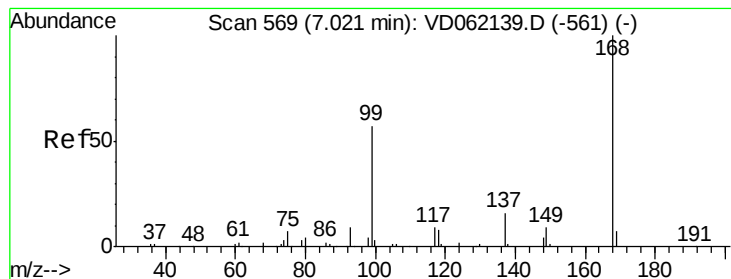
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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P026-SS015-0612-01

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD062324.D

Acq: 14 May 2019 1:35

Instrument :

MSVOA_D

ClientSampleId :

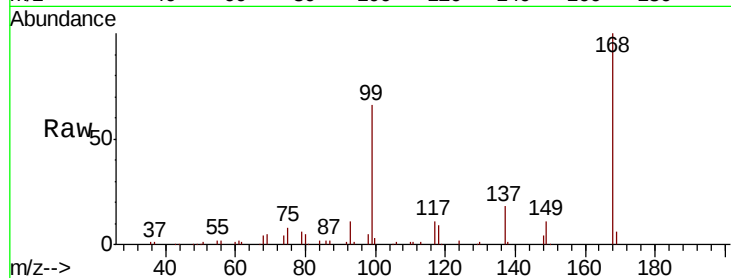
P026-SS015-0612-01

Tot Ion:168 Resp: 577506

Ion Ratio Lower Upper

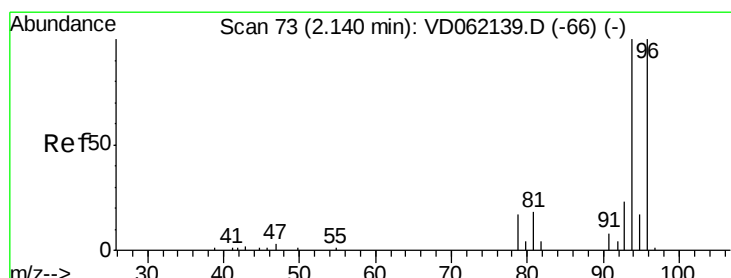
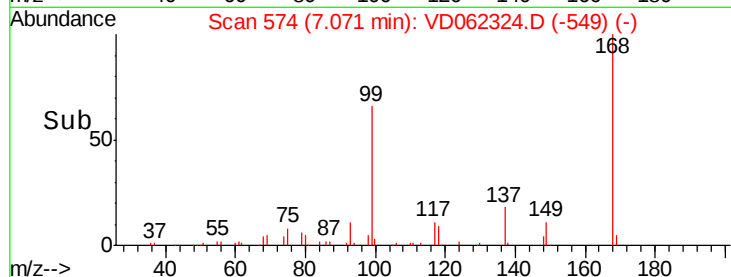
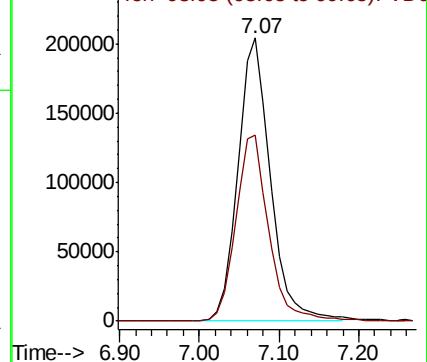
168 100

99 65.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V



#5

Bromomethane

Concen: 1.459 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD062324.D

Acq: 14 May 2019 1:35

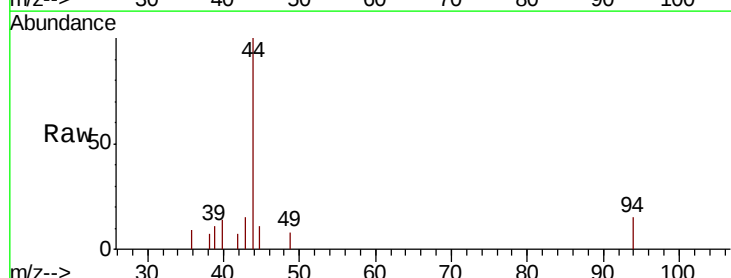
Tgt Ion: 94 Resp: 1341

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

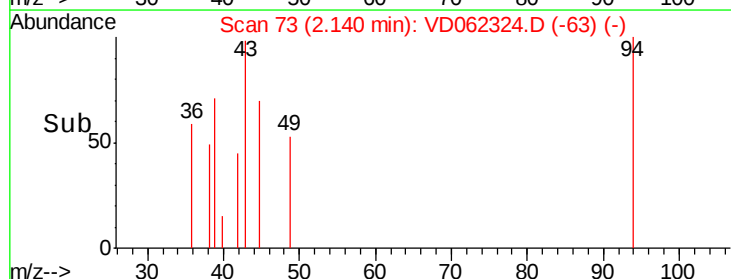
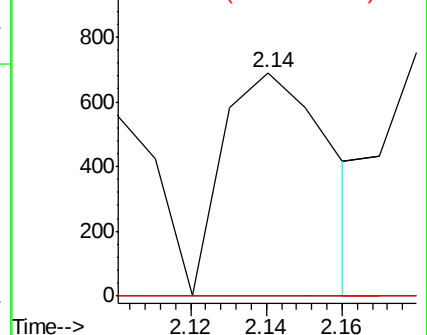
93 0.0 18.5 27.7#

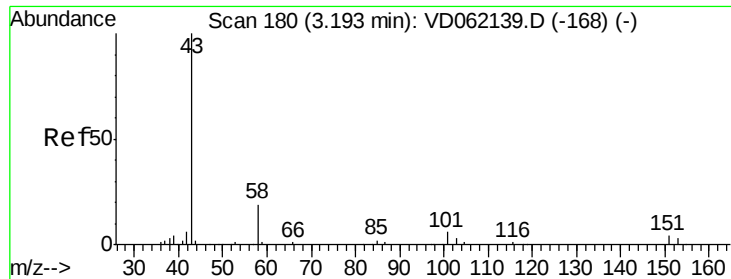


Abundance Ion 94.00 (93.70 to 94.70): V

Ion 96.00 (95.70 to 96.70): V

Ion 93.00 (92.70 to 93.70): V





#16

Acetone

Concen: 3.287 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.05 min

Lab File: VD062324.D

Acq: 14 May 2019 1:35

Instrument :

MSVOA_D

ClientSampleId :

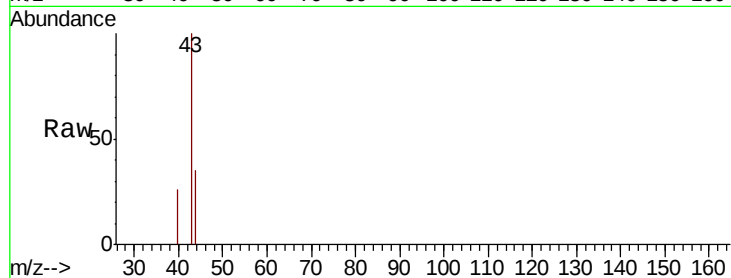
P026-SS015-0612-01

Tot Ion: 43 Resp: 3700

Ion Ratio Lower Upper

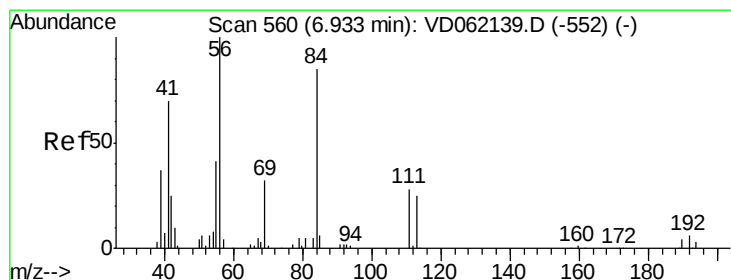
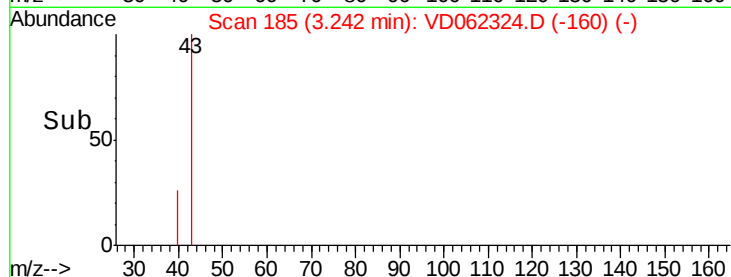
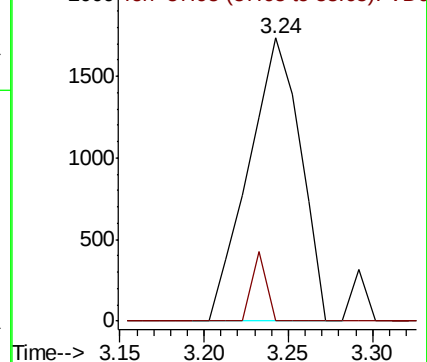
43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#31

Cyclohexane

Concen: 2.357 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.13 min

Lab File: VD062324.D

Acq: 14 May 2019 1:35

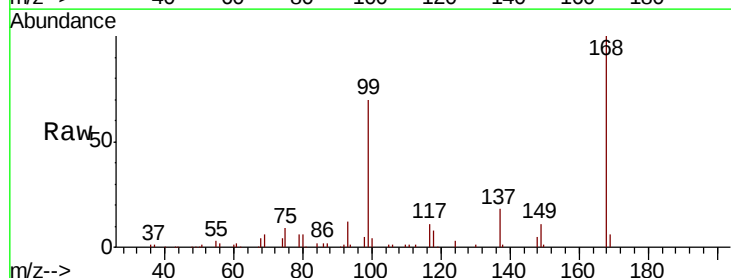
Tgt Ion: 56 Resp: 13274

Ion Ratio Lower Upper

56 100

69 236.0 25.8 38.6#

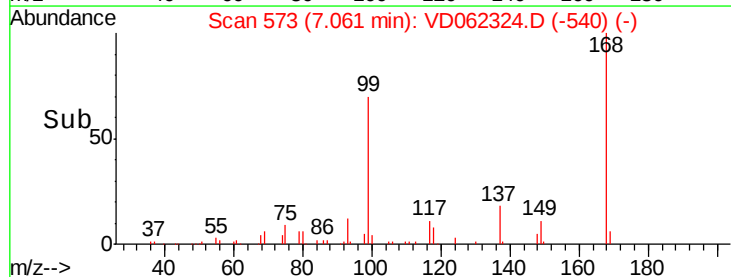
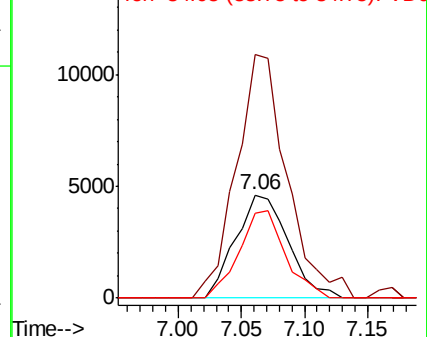
84 82.0 72.2 108.4

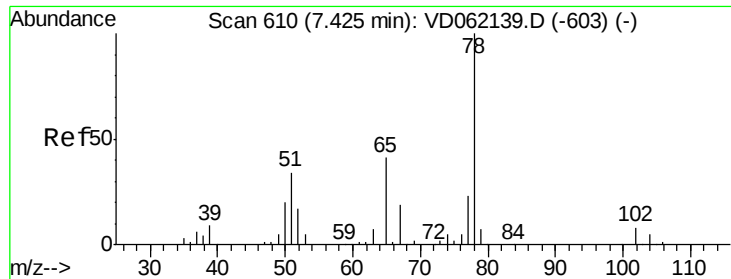


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 49.818 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD062324.D

Acq: 14 May 2019 1:35

Instrument :

MSVOA_D

ClientSampleId :

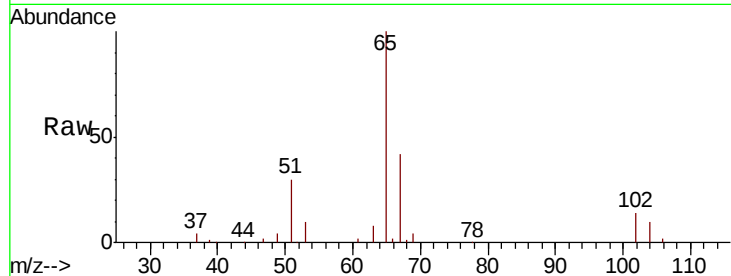
P026-SS015-0612-01

Tot Ion: 65 Resp: 267365

Ion Ratio Lower Upper

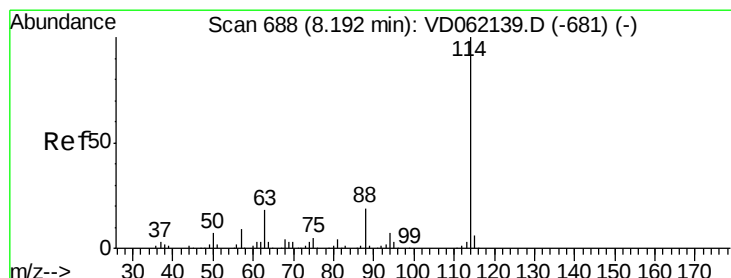
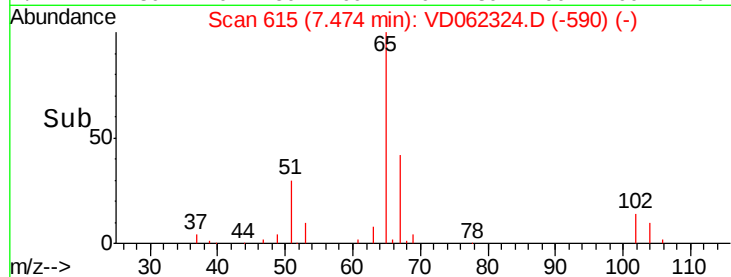
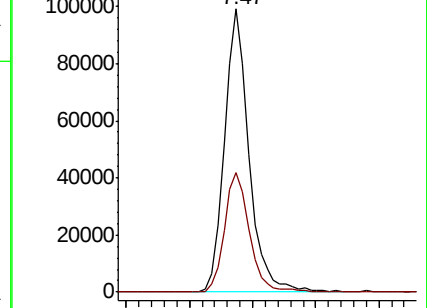
65 100

67 42.2 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.05 min

Lab File: VD062324.D

Acq: 14 May 2019 1:35

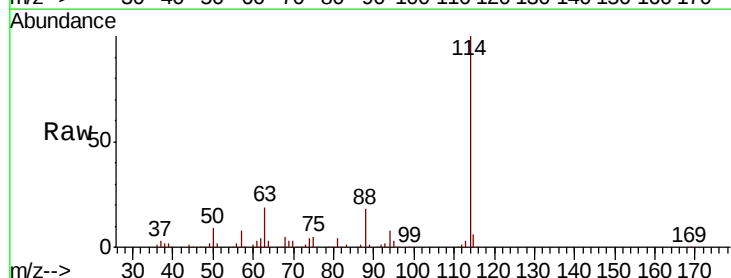
Tgt Ion: 114 Resp: 852316

Ion Ratio Lower Upper

114 100

63 18.8 0.0 32.4

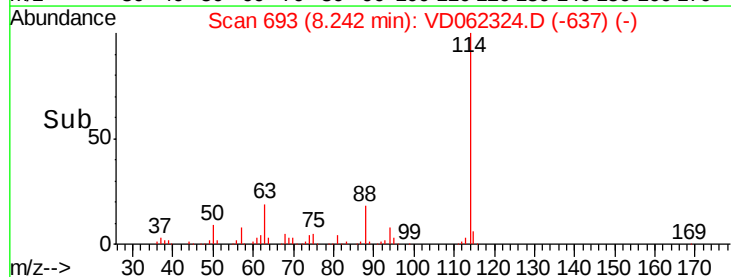
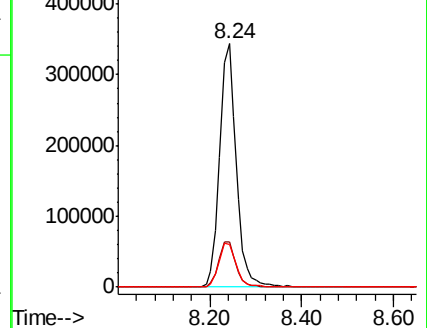
88 17.7 0.0 33.6

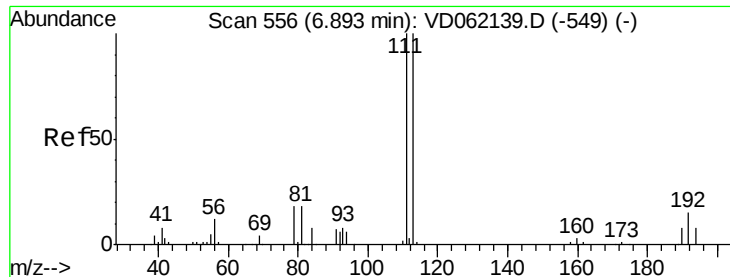


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 46.618 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062324.D

Acq: 14 May 2019 1:35

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-0612-01

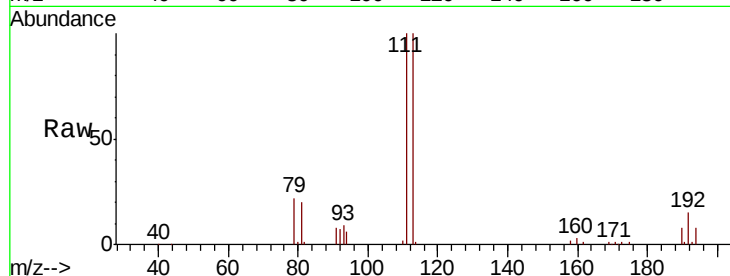
Tot Ion:113 Resp: 329670

Ion Ratio Lower Upper

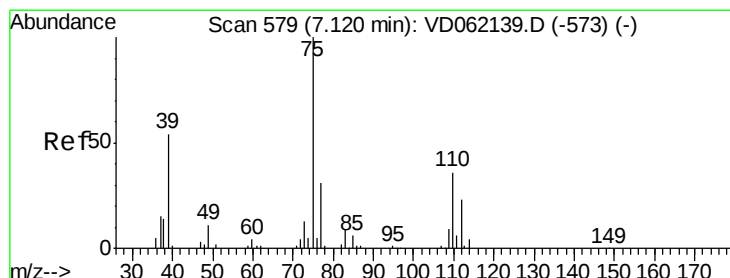
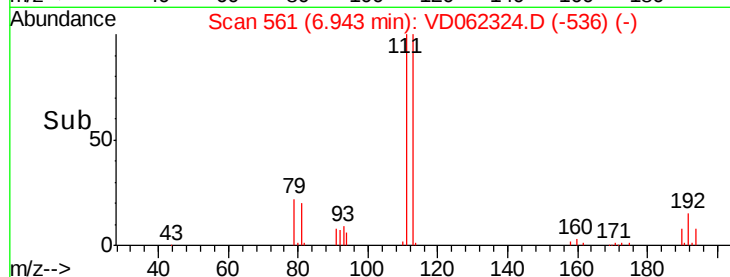
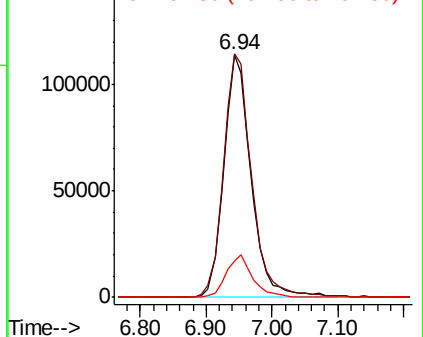
113 100

111 100.4 78.5 117.7

192 15.1 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 6.653 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.06 min

Lab File: VD062324.D

Acq: 14 May 2019 1:35

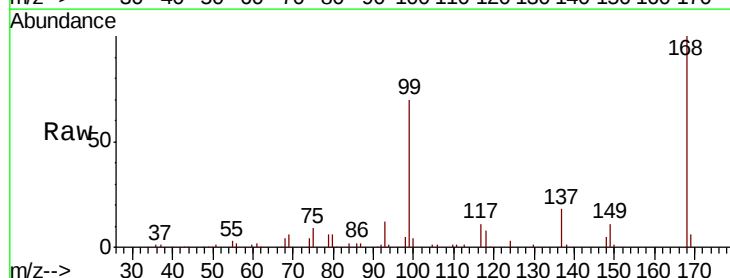
Tgt Ion: 75 Resp: 46492

Ion Ratio Lower Upper

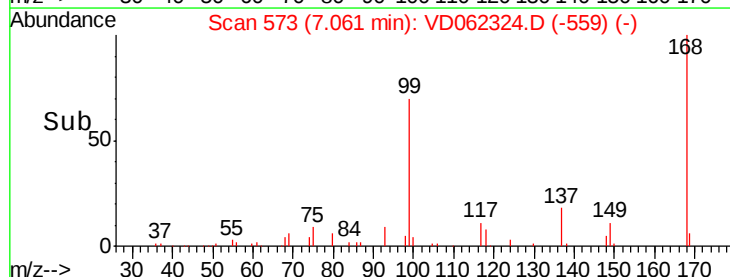
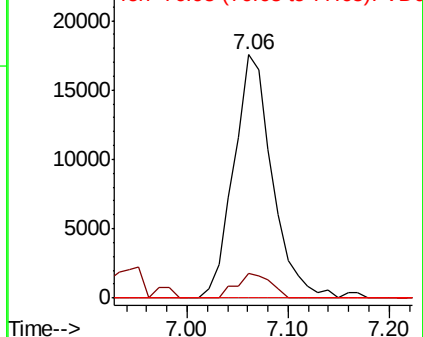
75 100

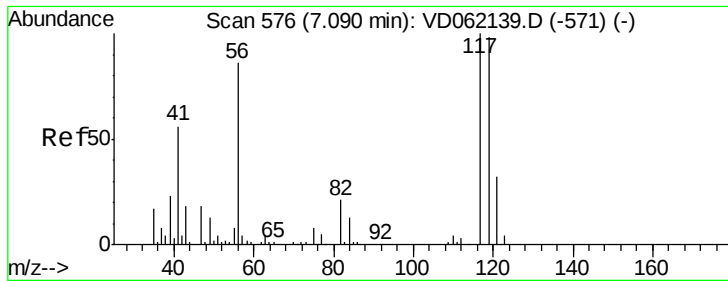
110 10.4 19.1 57.1#

77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 6.264 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.02 min

Lab File: VD062324.D

Acq: 14 May 2019 1:35

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-0612-01

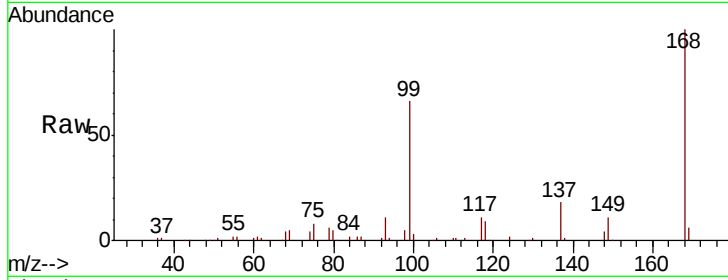
Tot Ion:117 Resp: 60584

Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.8#

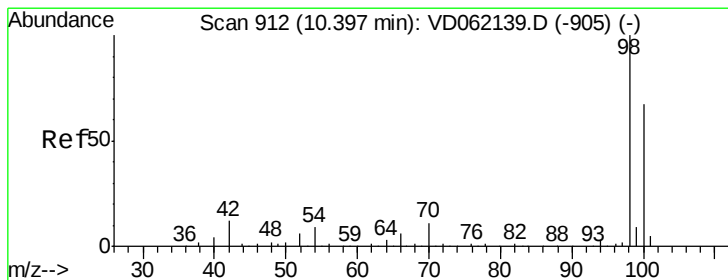
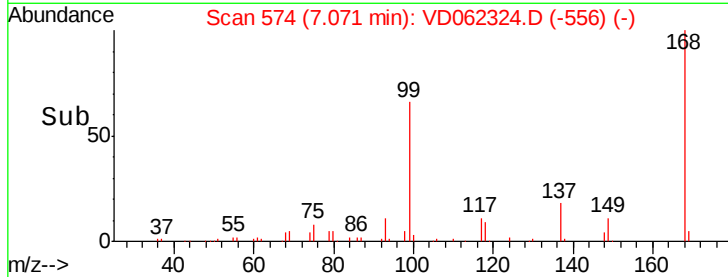
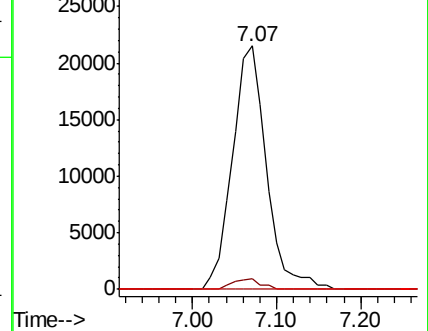
121 0.0 25.9 38.9#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: 38.221 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD062324.D

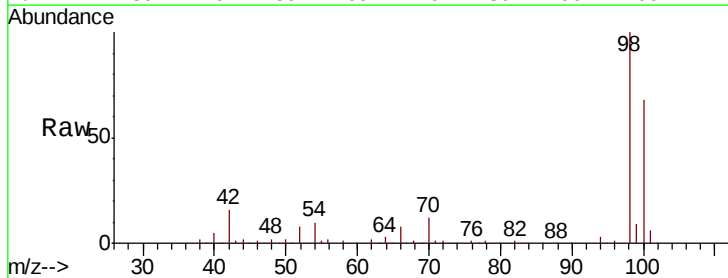
Acq: 14 May 2019 1:35

Tgt Ion: 98 Resp: 651686

Ion Ratio Lower Upper

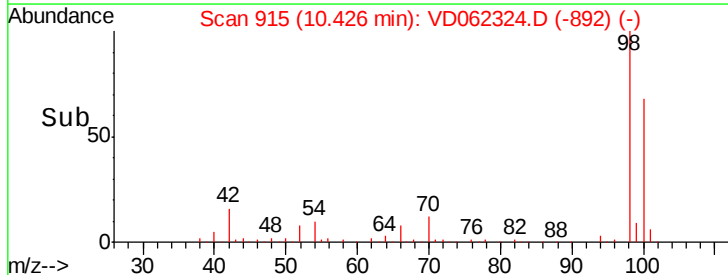
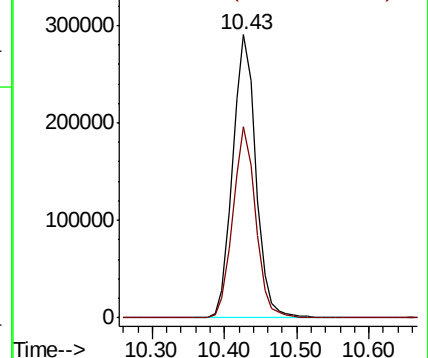
98 100

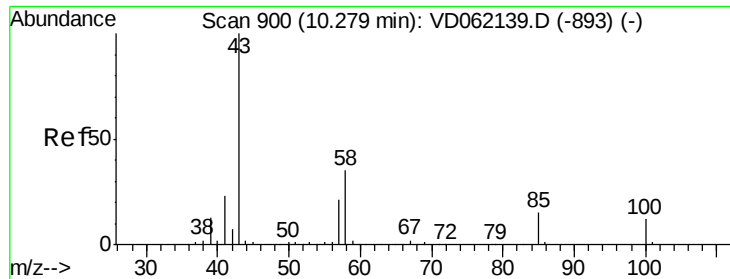
100 67.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.407 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.15 min

Lab File: VD062324.D

Acq: 14 May 2019 1:35

Instrument :

MSVOA_D

ClientSampleId :

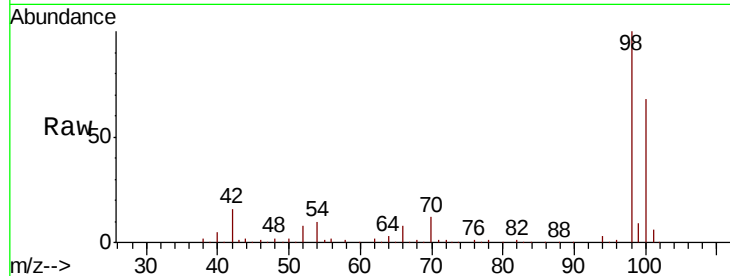
P026-SS015-0612-01

Tot Ion: 43 Resp: 3802

Ion Ratio Lower Upper

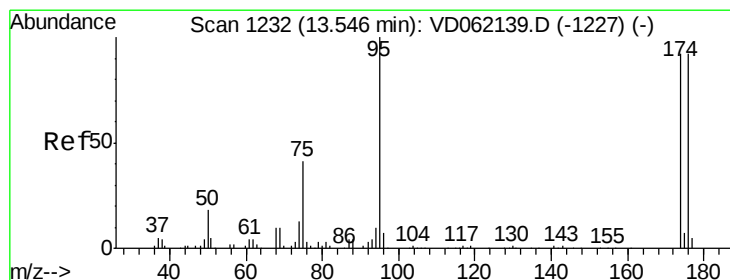
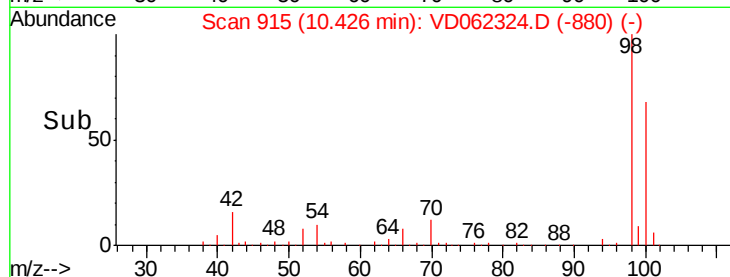
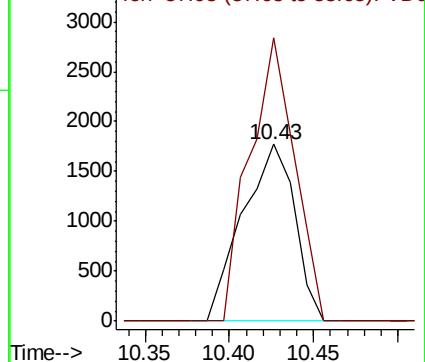
43 100

58 160.1 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 36.839 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062324.D

Acq: 14 May 2019 1:35

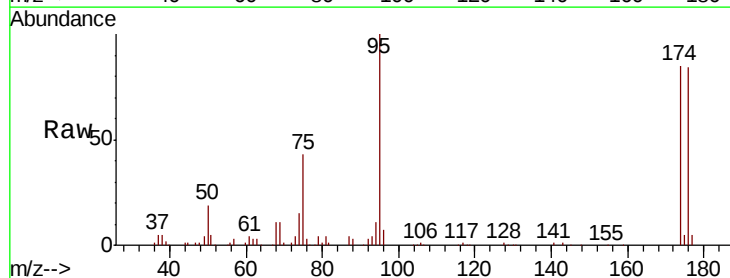
Tgt Ion: 95 Resp: 252232

Ion Ratio Lower Upper

95 100

174 84.9 0.0 181.8

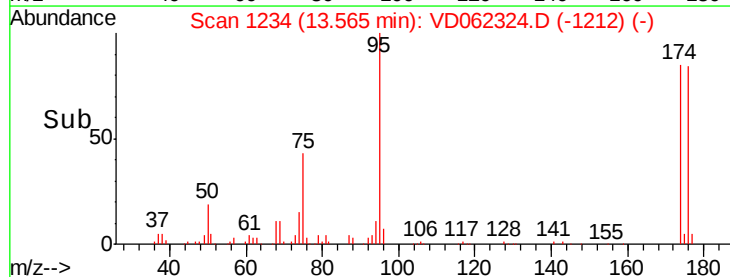
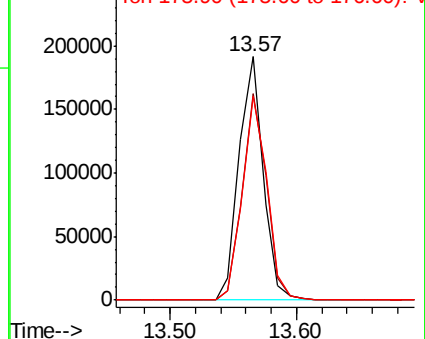
176 83.6 0.0 174.4

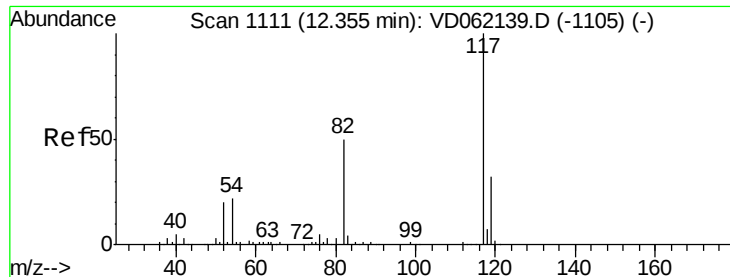


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

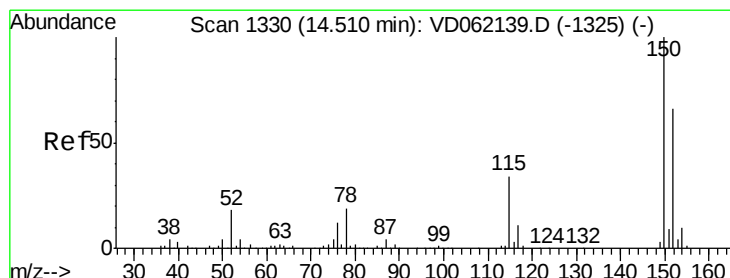
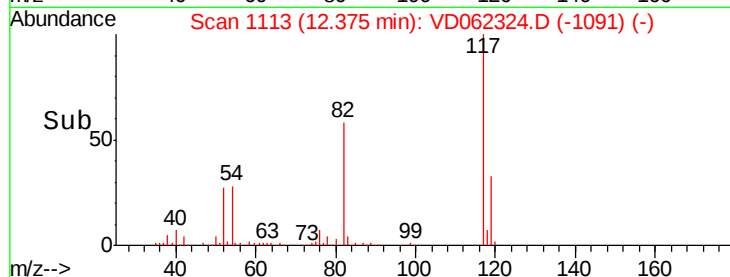
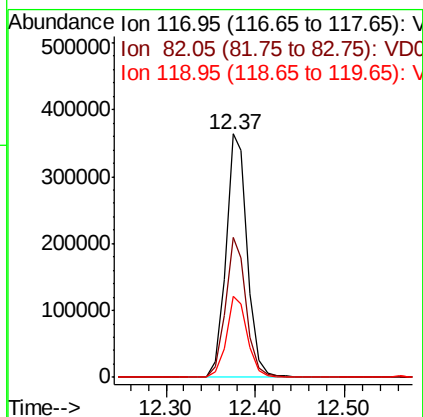
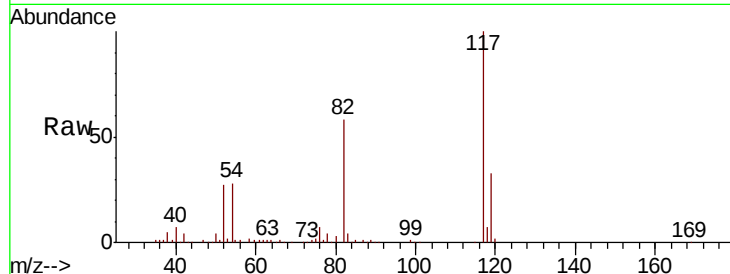




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062324.D
Acq: 14 May 2019 1:35

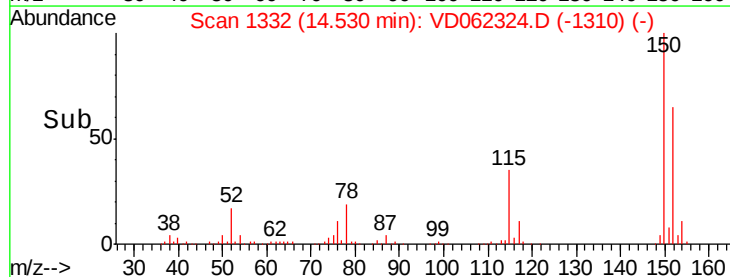
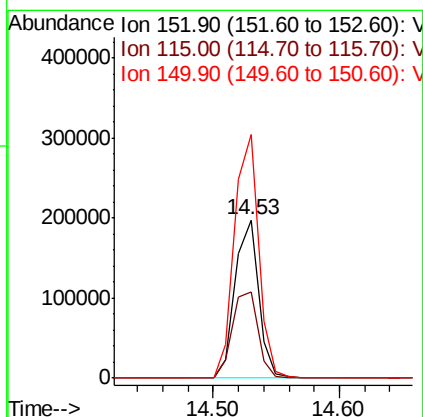
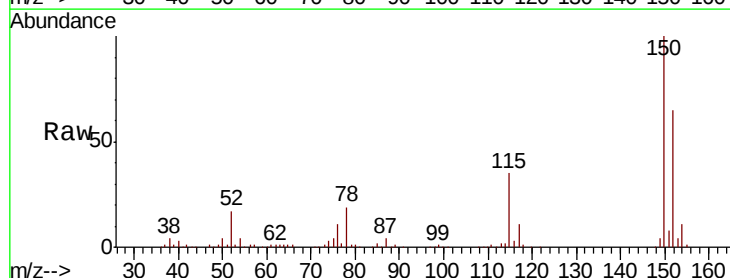
Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-0612-01

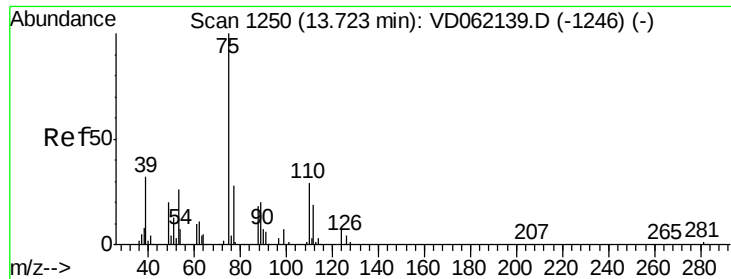
Tot Ion:117 Resp: 614983
Ion Ratio Lower Upper
117 100
82 57.5 36.2 54.2#
119 33.4 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD062324.D
Acq: 14 May 2019 1:35

Tgt Ion:152 Resp: 256131
Ion Ratio Lower Upper
152 100
115 54.3 30.9 92.7
150 153.8 0.0 314.8





#76

1,2,3-Trichloropropane

Concen: 34.196 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062324.D

Acq: 14 May 2019 1:35

Instrument :

MSVOA_D

ClientSampleId :

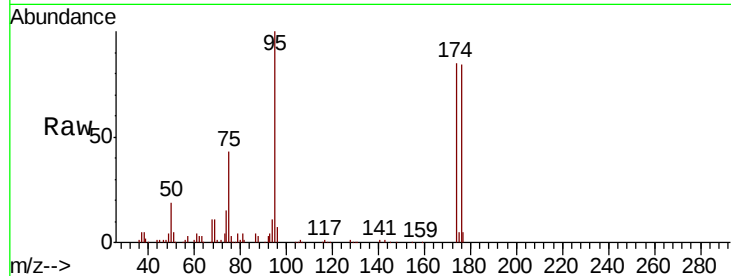
P026-SS015-0612-01

Tot Ion: 75 Resp: 104089

Ion Ratio Lower Upper

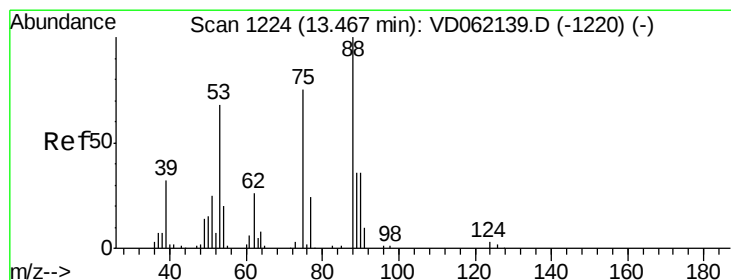
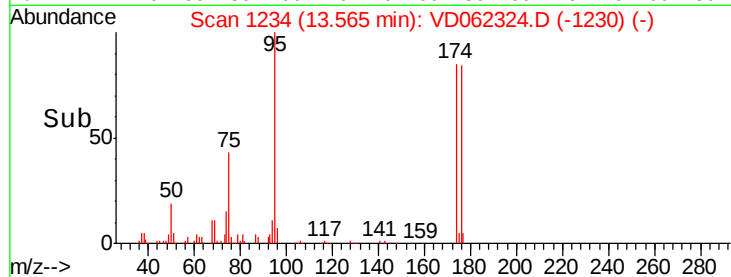
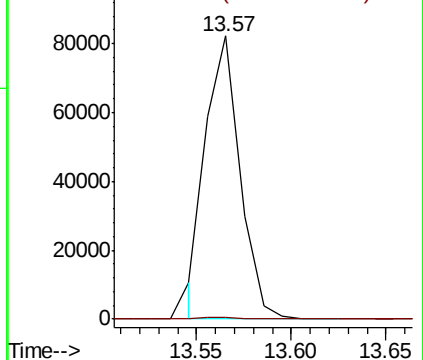
75 100

77 0.8 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 128.399 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD062324.D

Acq: 14 May 2019 1:35

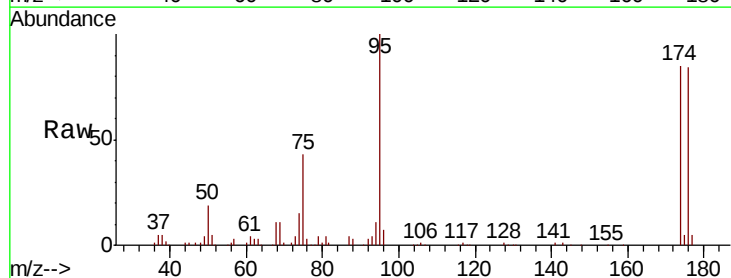
Tgt Ion: 75 Resp: 110335

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

